AOYAMA & PARTNERS REGISTERED PATENT ATTORNEYS

Head Office:
IMP Building, 1-3-7, Shiromi, Chuo-ku
Osaka, 540-0001 JAPAN
Mail : Osaka Central P.O.Box 15, 530-8691 JAPAN
E-Mail: info@aoyamapat.gr.jp
Phone: (81) 6-6949-1261
Fax : (81) 6-6949-0361 (G3)/(81) 6-6949-0362 (G4)

WENDEROTH, LIND & PONACK, L.L.P.
2033 K Street, N.W.
Suite 800
Washington, D.C. 20006-1021
U.S.A.

Attention: Mr. Warren M. Cheek

February 13, 2009

URGENT

VIA FACSIMILE
(Total Page: 6)

Your Ref: **2006-0369A**
Our Ref: **546833**
U.S. Patent Application No. 10/572,639
Applicants: **Yoshitaka TOMIGAHARA et al.**

Dear Mr. Cheek:

Thank you for your letter of February 11, 2009 concerning the Examiner's request.

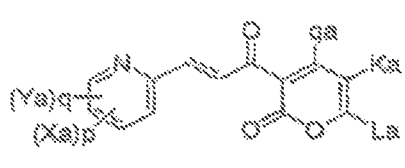
We would like to offer the following comments.

1) Ring A

The applicants' preference is, first, benzene, and then pyridine.

2) Location of N in pyridine ring

Please refer the following formula. The location shown in the formula is preferred.



3) Preference of a substituent for each Xa, Ya, La, Ka and qa

Please refer to the attached sheet. The order of preference is shown by the symbols ①, ②, ③, ...

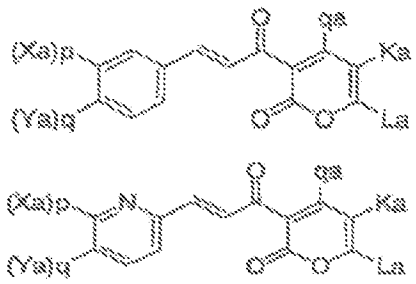
4) Order of importance of Xa, Ya, La, Ka and qa

The order is Xa > qa > La > Ka > Ya. That is, first is Xa, next is qa, ...

To: WENDEROTH, LIND & PONACK, L.L.P.

5) Point of attachment of X and Y on the ring

Please refer to the following formulas.



Please respond to the Examiner.

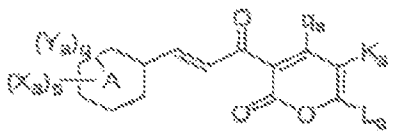
Kindly acknowledge receipt of this letter.

Sincerely yours,
AOYAMA & PARTNERS

Mitsuo TANAKA

MT/xie
Encl.

4. (Original) A cinnamoyl compound represented by the formula (IV):



(IV)

wherein

A represents a ①benzene ring or a ②pyridine ring,

X_a is a substituent on a carbon atom, and represents ③a C1-C10 alkyl group substituted with a cyano group; ④a C1-C10 alkyl group substituted with a tetrahydropyran-4-ylidene group; ⑤a C2-C10 alkenyl group substituted with a halogen atom or a cyano group; ⑥a C2-C10 alkenyl group substituted with a C1-C10 alkoxycarbonyl group; ⑦a C3-C10 alkynyl group substituted with a hydroxyl group; ⑧an a_3-r_1-b-r_1'- group (wherein a_3 represents a methyl group substituted with a C1-C10 alkylthio group, a methyl group substituted with a C1-C10 alkylsulfinyl group, a methyl group substituted with a C1-C10 alkylsulfonyl group, a C2-C10 alkenyl group, a C2-C10 alkynyl group, a r_2O-CO- group (wherein r_2 represents a C1-C10 alkyl group, or a C2-C10 alkyl group substituted with a hydroxyl group), a carboxyl group, a rr'N-CO- group (wherein r and r' are the same or different, and represent a hydrogen atom or a C1-C10 alkyl group), an a_4-NH-CO- group (wherein a_4 represents a C2-C10

$-NH_2$

alkyl group substituted with a C1-C10 alkoxy group), an a_1'-CO- group (wherein a_1' represents a morpholino group), a $rr'N-CH_2-$ group (wherein r and r' are as defined above), a $r_9-(O)_l-CONH-CH_2-$ group (wherein r_9 represents a C1-C10 alkyl group, and l represents 0 or 1), a $r-OCH_2-$ group (wherein r is as defined above), a r_9-CO- group (wherein r_9 is as defined above), a cyano group, or a sulfomethyl group, r_1 represents a C1-C10 alkylene group, r_1' represents a single bond or a C1-C10 alkylene group, and b represents an oxy group, a thio group, a sulfinyl group, a sulfonyl group or a imino group); ⑤an $a_3-y-CO-NH-$ group (wherein a_3 represents a C2-C10 alkyl group substituted with a C1-C10 alkoxy group, and y represents an oxy group or an imino group); ⑥a $r_9O-COCO-NH-$ group (wherein r_9 is as defined above); ⑦an $a_3-z-NH-$ group (wherein a_3 represents a C2-C10 alkenyl group, or a C1-C10 alkyl group substituted with a C1-10 alkoxy group, a C1-C10 alkoxycarbonyl group, a carboxy group or a cyano group, and z represents a carbonyl group or a sulfonyl group); ⑧an $a_4-NHCO-$ group (wherein a_4 represents a C1-C10 alkoxy group, or a C3-C10 alkenyloxy group, or a r_9-SO_2- group (wherein r_9 is as defined above), or a C2-C10 alkyl group substituted with a hydroxyl group or a C1-C10 alkoxy group, or a C1-C10 alkyl group substituted with a rO-CO- group (wherein r is as defined above), a cyano group or an aminocarbonyl group, or a rO-

CO-(rO-COCH$_2$)CH- group (wherein r is as defined above)); ⑮ an a$_5$-NHSO$_2$- group (wherein a$_5$ represents a C2-C10 alkyl group substituted with a C1-C10 alkoxy group); ⑪a r$_0$ON=CH- group (wherein r$_0$ is as defined above); ⑫a r$_0$NHCSNH- group (wherein r$_0$ is as defined above); ⑬a r$_0$NHC(-Sr$_0$')=N- group (wherein r$_0$ is as defined above, r$_0$' is the same as the different from r$_0$ and has the same meaning as r$_0$ has); or ⑭ a (r$_0$O)$_2$P(=O)CH$_2$- group (wherein r$_0$ is as defined above);

p represents 1, 2 or 3, and when p is 2 or more, X$_a$s are the same or different;

Y$_a$ represents ③a halogen atom, ④a nitro group, ⑤a r$_0$CO-NH- group (wherein r$_0$ is as defined above), ②a C1-C10 alkyl group or ①a C1-C10 alkoxy group;

q represents 0, 1 or 2, and when q is 2 or more, Y$_a$s are the same or different;

Q$_a$ represents ①a r$_a$-O- group (wherein r$_a$ represents a hydrogen atom, a C1-C10 alkyl group, a C3-C10 alkenyl group, a C3-C10 alkynyl group, a C1-C10 alkyl group substituted with a r$_0$r$_0$'N-CH$_2$- group (wherein r$_0$ and r$_0$' are as defined above), a rOCH$_2$- group (wherein r is as defined above), a r$_0$-CO- group (wherein r$_0$ is as defined above), a C1-C10 alkoxycarbonyl group, a carboxy group, an aminocarbonyl group or a cyano group, or a r$_3$-r$_1$-group (wherein r$_3$ represents a phenyl group or a pyridyl group, and r$_1$ is as defined above)); ③a piperidino group; ②a morpholino

group; or ④a $r_4r_4'N$- group (wherein r_4 and r_4' are the same or different, and represent a hydrogen atom, a C1-C10 alkyl group, a C3-C10 alkenyl group, a C3-C10 alkynyl group, or a C2-C10 alkyl group substituted with a C1-C10 alkoxy group, provided that r_4 and r_4' are not a hydrogen atom at the same time);

K_4 represents ①a hydrogen atom, ③a halogen atom or ② a C1-C10 alkyl group, and L_4 represents ②a hydrogen atom or ①a C1-C10 alkyl group; or

K_4 and L_4 together may form a ②C1-C10 alkylene group or a ①1,3-butadienylene group;

the term "as defined above" used for the same symbols among plural substituents means that the plural substituents independently represent the same meaning as that described above and, among the plural substituents, although the selection range of substituents to be selected is the same, selected substituents may be the same or different as long as they are selected within the range.

P. 1

* * * COMMUNICATION RESULT REPORT (FEB. 13. 2009 9:40AM) * * *

FAX HEADER 1:
FAX HEADER 2:

TRANSMITTED/STORED : FEB. 13. 2009 9:40AM

FILE	MODE	OPTION	ADDRESS	RESULT	PAGE
7453	MEMORY TX		04 :81-0669490362=AOYAMA	OK	1/1

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-3) NO ANSWER
E-2) BUSY
E-4) NO FACSIMILE CONNECTION

1-2028333015=FAX5510 /0669490362-=AOYAMA /09-02-13-15:53/001-001

AOYAMA & PARTNERS

REGISTERED PATENT ATTORNEYS

Head Office: IMP Building, 1-3-7, Shiromi, Chuo-ku
Osaka, 540-0001 JAPAN
Mail: [illegible]
E-Mail: [illegible]
Phone: [illegible]
Fax: [illegible]

WENDEROTH, LIND &
PONACK, L.L.P.
2033 K Street, N.W.
Suite 800
Washington, D.C. 20006-1021
U.S.A.

Attention: Mr. Warren M. Cheek

February 13, 2009

URGENT

VIA FACSIMILE
(Total Page: 6)

Your Ref: 2006-0869A
Our Ref: 846833
U.S. Patent Application No. 10/572,639
Applicants: Yoshitaka TOMIGAHARA et al.

ACKNOWLEDGED WITH APPRECIATION
WENDEROTH, LIND & PONACK, L.L.P.
RECEIVED BY: [illegible]
DATE RECEIVED: Feb 13, 09

Dear Mr. Cheek:

Thank you for your letter of February [illegible], 2009 concerning the Examiner's request.

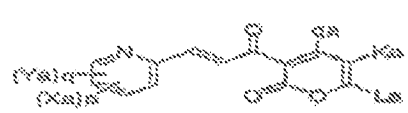
We would like to offer the following comments.

1) Ring A

The applicants' preference is, first, benzene, and then pyridine.

2) Location of N in pyridine ring

Please refer the following formula. The location shown in the formula is preferred.



3) Preference of a substituent for each Xa, Ya, La, Ka and qa

Please refer to the attached sheet. The order of preference is shown by the symbols ①, ②, ③, ...

4) Order of importance of Xa, Ya, La, Ka and qa